

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 1 of 6

**Complete if Known**

Application Number	10/038,377
Filing Date	October 19, 2001
First Named Inventor	Dusty Lutz et al.
Group Art Unit	3652
Examiner Name	Unknown
Attorney Docket Number	7594.10

**U.S. PATENT DOCUMENTS**

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
		3,182,357		Tuttle	05-11-1965	
		3,688,873		Potrafke	09-05-1972	
		3,725,895		Haynes	04-03-1973	
		3,836,755		Ehrat	09-17-1974	
		3,878,365		Schwartz	04-15-1975	
		4,071,740		Gogulski	01-31-1978	
		4,084,742		Silverman	04-18-1978	
		4,373,133		Clyne et al.	02-08-1983	
		4,583,083		Bogasky	04-15-1986	
		4,583,619		Fry	04-22-1986	
		4,676,343		Humble et al.	01-30-1987	
		4,679,154		Blanford	07-07-1987	
		4,715,457		Amacher et al.	12-29-1987	
		4,775,782		Mergenthaler et al.	10-04-1988	
		4,779,706		Mergenthaler	10-25-1988	
		4,787,467		Johnson	11-29-1988	
		4,789,048		Cramer et al.	12-06-1988	
		4,792,018		Humble et al.	12-20-1988	
		4,909,356		Rimondi et al.	03-20-1990	
		4,929,819		Collins, Jr.	05-29-1990	

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		BE	899018			06-18-1984		
		DE	1927819			02-04-1971		
		DE	2125869			12-07-1972		
		DE	3114139 A1			11-04-1982		
		DE	3330301 A1			03-14-1985		
		EP	0060701 B1			09-22-1982		
		EP	0124355 B1			11-07-1984		
		EP	0178223 A2			04-16-1986		
		EP	0491348 A2			06-24-1992		
		EP	0811958 A2			12-10-1997		

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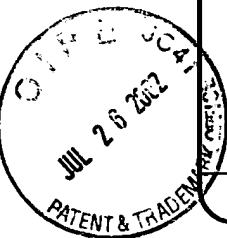
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Sheet 2 of 6

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		4,940,116		O'Connor et al.	07-10-1990	
		4,947,028		Gorog	08-07-1990	
		4,964,053		Humble	10-16-1990	
		5,004,916		Collins, Jr.	04-02-1991	
		5,040,636		Forsythe et al.	08-20-1991	
		5,083,638		Schneider	01-28-1992	
		5,115,888		Schneider	05-26-1992	
		5,123,494		Schneider	01-23-1992	
		5,125,465		Schneider	06-30-1992	
		5,168,961		Schneider	12-08-1992	
		5,174,413		Cappi et al.	12-29-1992	
		5,191,749		Cappi et al.	03-09-1993	
		5,250,789		Johnsen	10-05-1993	
		5,297,030		Vassigh et al.	03-22-1994	
		5,315,097		Collins, Jr. et al.	05-24-1994	
		5,340,970		Wolfe, Jr. et al.	08-23-1994	
		5,343,025		Usui	08-30-1994	
		5,345,071		Dumont	09-06-1994	
		5,361,871		Gupta et al.	11-08-1994	
		5,375,680		Ikeda et al.	12-27-1994	

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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
		EP	0905656 A2			03-31-1999		
		GB	2068132 A			08-05-1981		
		GB	2285687 A			07-19-1995		
		JP	5314367			11-26-1993		
		JP	11328299			11-30-1999		

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		5,378,860		Dingfelder et al.	01-03-1995	
		5,397,882		Van Solt	03-14-1995	
		5,398,191		Komai	03-14-1995	
		5,424,524		Ruppert et al.	06-13-1995	
		5,426,282		Humble	06-20-1995	
		5,426,423		Raimbault et al.	06-20-1995	
		5,434,394		Roach et al.	07-18-1995	
		5,437,346		Dumont	08-01-1995	
		5,448,046		Swartz	09-05-1995	
		5,457,307		Dumont	10-10-1995	
		5,484,991		Sherman et al.	01-16-1996	
		5,485,006		Allen et al.	01-16-1996	
		5,489,773		Kumar	02-06-1996	
		5,494,136		Humble	02-27-1996	
		5,497,314		Novak	03-05-1996	
		5,497,853		Collins, Jr. et al.	03-12-1996	
		5,540,301		Dumont	07-30-1996	
		5,543,607		Watanabe et al.	08-06-1996	
		5,544,040		Gerbaulet	08-06-1996	
		5,560,450		Kouno	10-01-1996	

## FOREIGN PATENT DOCUMENTS

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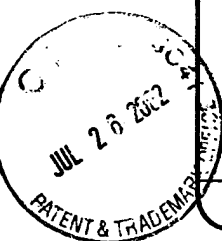
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		5,595,264		Trotta, Jr.	01-21-1997	
		5,609,223		Iizaka et al.	03-11-1997	
		5,635,906		Joseph	06-03-1997	
		5,637,847		Watanabe	06-10-1997	
		5,662,190		Abe	09-02-1997	
		5,663,963		Goodwin, III et al.	09-02-1997	
		5,684,289		Detwiler et al.	11-04-1997	
		5,721,420		May	02-24-1998	
		5,736,721		Swartz	04-07-1998	
		5,752,582		Hayward	05-19-1998	
		5,814,799		Swartz et al.	09-29-1998	
		5,821,512		O'Hagan et al.	10-13-1998	
		5,845,263		Camaisa et. al.	12-01-1998	
		5,877,485		Swartz	03-02-1999	
		5,883,968		Welch et al.	03-16-1999	
		5,884,728		d'Estaintot et al.	03-23-1999	
		5,898,158		Shimizu et al.	04-27-1999	
		5,900,614		Nakakawaji et al.	05-04-1999	
		5,923,735		Swartz et al.	07-13-1999	
		5,978,772		Mold	11-02-1999	

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		"Optimal Robotics Selects Diebold's ATM Cash Dispensing Technology; Industry Leading U-Scan Express Self-Checkout System To Incorporate Diebold ATM Dispensers", Business Wire, December 20, 1999	
		AMATO-MCCOY, DEENA, "Brookshire's Shoppers Will Soon Experience Ease and Convenience of NCR Self-Checkout; NCR Self-Checkout Express Lets Shoppers Scan and Pay for Their Purchases", PR Newswire, February 24, 1999	
		AMATO-MCOY, DEENA, "Self-Checkout Test Planned at Brookshire Grocery Units", Supermarket News Page: 21(1), April 26, 1999	
		"More Supermarkets Can Offer Shoppers Ease and Convenience of NCR Self-Checkout", PR Newswire, February 16, 1999	
		POWER, DENISE, "Self-Scanning Checks In.(Meijer)", HFN The Weekly Newspaper for the Home Furnishing Network, vol. 72, Issue No. 36, September 14, 1998	
		Web pages: <a href="http://www.terriganet.net.au/kjka/www.pscnet.com/uscanse.htm">http://www.terriganet.net.au/kjka/www.pscnet.com/uscanse.htm</a> , U-Scan Express(tm) Self-Checkout, 3/29/00	
		ZIMMERMAN, KIM ANN, "Food Lion To Install More Self-Checkouts", Supermarket News, October 4, 1999	
		"NCR: NCR Unveils Retail Self-Service Solution", M2 Presswire, June 16, 1998	
		CORBIN, COLE, "Checking Out Self-Scanning: More Retailers Are Singing the Praises of Both Portable and Stationary Self-Scanning, But Customers Still Need a Bit of Wooing", Supermarket News, March 15, 1999	
		MOLTZEN, EDWARD F., "NCR, Innovax Team For Supermarket Sweep", Computer Reseller News, February 22, 1999	
		Abstract: WOODYARD, CHRIS, "Grocery Shoppers Can Be Own Cashiers", USA Today, March 9, 1998	

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		Search Results List: 8 Articles listed; Word or Phrase: Self and (checkout or scan?) and automat? and teller and mach, Date range: 1998 - Present; print date April 3, 2000	
		Search Results List: 7 Articles listed; Word or Phrase: Self and (checkout or scan?) and automat? and teller and mach, Date range: Backfile (1986-1997); print date April 3, 2000	
		Search Results List by Rank: 100 Articles listed; Search criteria Self-Checkout Coupled To An Automated Teller Machine; print date March 29, 2000	
		U-Scan Express.TM., The U-Scan Express.TM. Self-Checkout System, Spectra-Physics Scanning Systems, Inc., February 1996	
		Optimal Robotics 8870 System. TM., Optimal Robotics Corporation, 1995	
		ZIMMERMAN, DENISE, "Kroger Unit to Expand Customer Self-Scanning", Supermarket News, August 14, 1995, page 15	
		ZIMMERMAN, DENISE, "Kroger Self-Scan Lane To Test Debit Credit" Supermarket News, Vol. 45, Number 14, page 13+, April 3, 1995	
		LANG JONES, JEANNE, "Robots Will Do Checkout at Grocery", Houston Post, (Final, Business, p. C1, February 22, 1995	
		"Burger King Tests Credit-Card Payments", The Miami Herald Knight-Rider/Tribune Business News, July 9, 1993	
		WISEMBERG-BRIN, DINAH, Associated Press, "You-buy, you-scan bag", Dayton Daily News, August 11, 1996	
		GAMBURER, A.T., et al., "Analogue-code Converter Used with Strain Gauge Hopper Weighers", Instrumental and Control, March 3, 1969	

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